BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of the work: **Estimate for Improvements to Roads at Vinayakangara in Ward No. 11, Kuvempungara), Vidyaranyapura Sub Division.**

			Estimate Cost:					**2000000.00**	
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 150/ Item No. 19.1/ PWD SR 2012-13**	Cum							
	Desilting of Drains Vinayakanagara								
	2nd Cross RHS		2	52.00	0.45	0.30	14.04		
	3rd Cross		2	105.00	0.45	0.30	28.35		
	4th Cross		2	160.00	0.45	0.30	43.20		
	5th Cross		2	151.00	0.45	0.30	40.77		
	6th Cross		2	195.00	0.45	0.30	52.65		
	Seenappa Garden		2	145.00	0.45	0.30	39.15		
	7th Cross		2	85.00	0.45	0.30	22.95		
	8th Cross		2	75.00	0.45	0.30	20.25		
	8th A Cross		2	15.00	0.45	0.30	4.05		
	Berm Cutting								
	2nd Cross RHS		2	52.00	0.90	0.25	23.40		
	3rd Cross		2	105.00	0.90	0.20	37.80		
	4th Cross		2	160.00	0.90	0.20	57.60		
	5th Cross		2	151.00	0.90	0.25	67.95		
	6th Cross		2	195.00	0.90	0.25	87.75		
	Seenappa Garden		2	145.00	0.90	0.25	65.25		
	7th Cross		2	85.00	0.90	0.25	38.25		
	8th Cross		2	75.00	0.90	0.25	33.75		
	8th A Cross		2	15.00	0.90	0.25	5.64		
							682.80	58.32	**39821.00**
	Basic Rate	54.00							
	Area Weightage @8%	4.32							
	Total	**58.32**							
2	Removing B.S. Slab Drain and stacking **(P.28/I.5.32 PWD SR - 2012-13)**	Sqm							
			2	55.00		1.35	148.50		
			2	45.00		1.35	121.50		
			2	70.00		1.35	189.00		
			2	60.00		1.35	162.00		
			2	28.00		1.35	75.60		
			2	30.00		1.35	81.00		34580.00
							777.60	44.47	**34583.00**
	Basic Rate	41.18							
	Area Weightage @8%	3.29							
	Total	**44.47**							

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	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Refixing stone slabs of drains and pointing in CM (1:3) **(P.28/I.5.33 PWD SR - 2012-13)**	Sqm							48988.80
			Vide Item No.2				**777.60**	63.00	**48986.00**
	Basic Rate	58.33							
	Area Weightage @ 8%	4.67							
	Total	**63.00**							
	KSRRB 300-45: Scarifying stone metal crust 50mm to 100mm thick with pick axes along with premix carpet/surface dressing and stacking of old serviceable materials within a lead of 100 meters by manual means including cost of all labour charges complete as per specifications. MORTH chapter 3, **No. 156 / Item No. 19.51/ PWD SR 2012-13**	Sqm							
	2nd Cross RHS		1	52.00	4.00		208.00		
	3rd Cross		1	105.00	4.00		420.00		
	4th Cross		1	160.00	4.00		640.00		
	5th Cross		1	151.00	4.00		604.00		
	6th Cross		1	195.00	4.00		780.00		
	Seenappa Garden		1	145.00	4.00		580.00		
	7th Cross		1	85.00	4.00		340.00		
	8th Cross		1	75.00	4.00		300.00		
	8th A Cross		1	15.00	4.00		59.00		
							3931.00	35.91	**141162.00**
	Basic Rate	33.25							
	Area Weightage @ 8%	2.66							
	Total	**35.91**							
	Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications **(P.167/I.20.18) PWD SR - 2012-13.**	Cum							
	2nd Cross RHS		1	52.00	4.00	0.15	31.20		
	3rd Cross		1	105.00	4.00	0.15	63.00		
	4th Cross		1	160.00	4.00	0.15	96.00		
	5th Cross		1	151.00	4.00	0.15	90.60		
	6th Cross		1	195.00	4.00	0.15	117.00		
	Seenappa Garden		1	145.00	4.00	0.15	87.00		
	7th Cross		1	85.00	4.00	0.15	51.00		
	8th Cross		1	75.00	4.00	0.15	45.00		
	8th A Cross		1	15.00	4.00	0.15	8.85		
							589.65	1059.48	**624722.00**
	Basic Rate	981.00							
	Area Weightage @ 8%	78.48							
	Total	**1059.48**							

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	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	KSRRB 500-1.1 : Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3 **(P.172 / I.21.1) PWDSR 2012-13**	Sqm							
	2nd Cross RHS		1	52.00	4.00		208.00		
	3rd Cross		1	105.00	4.00		420.00		
	4th Cross		1	160.00	4.00		640.00		
	5th Cross		1	151.00	4.00		604.00		
	6th Cross		1	195.00	4.00		780.00		
	Seenappa Garden		1	145.00	4.00		580.00		
	7th Cross		1	85.00	4.00		340.00		
	8th A Cross		1	75.00	4.00		300.00		
			1	15.00	4.00		59.00		35519.00
							3931.00	9.29	**36511.00**
	Basic Rate	8.60							
	Area Weightage @ 8%	0.69							
	Total	**9.29**							
	KSRRB M500-6: Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH specification NO. 502, **Page No. 172/ Item No. 21.6/ PWD SR 2012-13**	Sqm							155825.00
			Qty Vide Item No. 6				**3931.00**	39.64	**155809.00**
	Basic Rate	36.70							
	Area Weightage @ 8%	2.94							
	Total	**39.64**							
8	KSRRB M500-18: Providing and laying **semi dense bituminous concrete** 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. **With 80/100 grade bitumen, No. 175/ Item No. 21.20.1/ PWD SR 2012-13**	Cum							
	2nd Cross RHS		1	52.00	4.00	0.025	5.20		
	3rd Cross		1	105.00	4.00	0.025	10.50		
	4th Cross		1	160.00	4.00	0.025	16.00		
	5th Cross		1	151.00	4.00	0.025	15.10		

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Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	6th Cross		1	195.00	4.00	0.025	19.50		
	Seenappa garden - 7th Cross		1	145.00	4.00	0.025	14.50		
	8th Cross		1	85.00	4.00	0.025	8.50		
	8th A Cross		1	75.00	4.00	0.025	7.50		867714.1
			1	15.00	4.00	0.025	1.48		
							98.28	8829.00	**867670.00**
	Basic Rate	8175.00							
	Area Weightage @ 8%	654.00							
	Total	**8829.00**							
9	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
			Vide Item No. 1				**682.80**	72.71	**49643.00**
	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00								
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
									2025.1
10	Miscellaneous and other Charges	L/S							**1093.00**
								Total	**2000000.00**
	(Rs. Twenty Lakhs Only)								

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2012-13.
3 This work included under 2012-13 MLA Grant.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Executive Engineer
Vidyaranyapura Division
Yelahanka Zone, B.B.M.P.
Bangalore - 560 092

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ADMINISTRATIVELY SANCTIONED FOR Rs 20 Lakhs

Rupees Twenty Lakhs Only

Under MLA Grants

Registered as EE ( ) No 3 9

Subject to conditions contained in

enclosed memo EE(4) No 901 /9/2012-13

Dt 5/2/2013 Estimate A/Sanctioned

JC(Yel) A/A No 901 /2012-13

dated 5/2/2013 Rs 20 Lakhs

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92

5/2/13

20.00 lakh

Twenty Lakh only

MLA Grant

90 /12-13 Subject

to conditions contained in memo.

No: 90 /12-13 6-2-13

AE/JE

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